

Title (en)
Acoustic gas analyser

Title (de)
Akustische Gasanalysevorrichtung

Title (fr)
Analyseur de gaz à acoustique

Publication
EP 1205748 A1 20020515 (EN)

Application
EP 01119945 A 20010817

Priority
SE 0004140 A 20001113

Abstract (en)
A measurement cell (2) is operably connectable to analysis means (24,26,30) adapted to determine compositional information of a gas dependent on the analysis of acoustic velocities. The cell (2) comprises a sample chamber (4) for receiving a gas mixture to be analysed and a reference chamber (6) for receiving a known reference gas, separated by a common wall section (8) at least part of which (10) can communicate pressure changes and preferably at least part of which (12) can communicate humidity changes between the chambers (4;6). An acoustic transmitter/receiver arrangement (18a,20a;18b,20b) is operable to transmit a first acoustic signal through a gas mixture within the sample chamber (4), a second acoustic signal through reference gas within the reference chamber (6) and to receive the first and second transmitted signals for use in determining acoustic velocities. <IMAGE>

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G01N 29/02

IPC 8 full level
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CPC (source: EP)
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Citation (search report)

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